

# Searching PAJ

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Index Indication

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**Text Search**

If you want to conduct a Number Search, please click on  
the button to the right.

Number Search

**Applicant, Title of invention, Abstract — e.g. computer semiconductor**

If you use the AND/OR operation, please leave a **SPACE** between keywords.

One letter word or **Stopwords** are not searchable.

piezoelectric cantilever

AND

AND

substrate

AND

AND

switch relay

OR

AND

**Date of publication of application — e.g. 19980401 - 19980405**

AND

**IPC — e.g. D01B7/04 A01C11/02**

If you use the OR operation, please leave a **SPACE** between keywords.



Search

Stored data

Copyright (C); 1998,2003 Japan Patent Office

1 of 1

Searching PCT (Full Text)...

[Search Summary]**Results of searching in PCT (Full Text) for:****piezoelectric near ( cantilever or cantilevered ) and substrate and ( relay or switch )**: 19 records

Showing records 1 to 19 of 19 :

|                      |   |
|----------------------|---|
| <b>Refine Search</b> | piezoelectric near (cantilever or cantilevered) and sub |
|----------------------|---|

**Title**

1. (WO 2005/067073) METHOD AND SYSTEM FOR GENERATING ELECTRICAL ENERGY WITHIN A VEHICLE TYRE
2. (WO 2005/036728) STRAIN ENERGY SHUTTLE APPARATUS AND METHOD FOR VIBRATION ENERGY HARVESTING
3. (WO 2004/039489) COMPUTER PROGRAM PRODUCTS AND SYSTEMS FOR RAPIDLY CHANGING THE SOLUTION ENVIRONMENT AROUND SENSORS
4. (WO 2004/015729) MICROFABRICATED **RELAY** WITH MULTIMORPH ACTUATOR AND ELECTROSTATIC LATCH MECHANISM
5. (WO 2004/015728) MICROFABRICATED DOUBLE-THROW **RELAY** WITH MULTIMORPH ACTUATOR AND ELECTROSTATIC LATCH MECHANISM
6. (WO 03/096444) RESONANT ENERGY MEMS ARRAY AND SYSTEM INCLUDING DYNAMICALLY MODIFIABLE POWER PROCESSOR
7. (WO 03/055063) TUNABLE **PIEZOELECTRIC** MICRO-MECHANICAL RESONATOR
8. (WO 03/019108) METHOD AND APPARATUS FOR THE ULTRASONIC ACTUATION OF THE **CANTILEVER** OF A PROBE-BASED INSTRUMENT
9. (WO 03/019107) METHOD AND APPARATUS FOR THE ULTRASONIC ACTUATION OF THE **CANTILEVER** OF A PROBE-BASED INSTRUMENT
10. (WO 02/084754) **PIEZOELECTRIC** MICRO-TRANSDUCERS, METHODS OF USE AND MANUFACTURING METHODS FOR SAME
11. (WO 02/079852) LIGHT MODULATING SYSTEM USING DEFORMABLE MIRROR ARRAYS
12. (WO 01/61291) OPTICAL SHUTTER FOR SPECTROSCOPY INSTRUMENT
13. (WO 01/33226) **CANTILEVER** SENSORS AND TRANSDUCERS
14. (WO 01/13457) ELECTRICAL SWITCHES
15. (WO 99/63532) MULTIPLE CHANNEL DATA WRITING DEVICE
16. (WO 99/63529) MULTIPLE CHANNEL SCANNING DEVICE USING OVERSAMPLING AND IMAGE PROCESSING TO INCREASE THROUGHPUT
17. (WO 99/63386) MULTIPLE PARALLEL SOURCE SCANNING DEVICE
18. (WO 99/42282) A-SITE AND/OR B-SITE MODIFIED PBZRTIO<sub>3</sub> MATERIALS AND FILMS
19. (WO 98/38907) INSTRUMENT FOR OPTICALLY SCANNING OF LIVING TISSUE

**Search Summary****piezoelectric NEAR cantilever**: 220 occurrences in 90 records.



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## Canadian Patents Database

### Search Results 12/05/2005 - 10:08:50

Query :

((piezoelectric and cantilever and sub

Query: ((piezoelectric and cantilever and substrate)) <AND> ( ( (switch or relay) ) <in> title )

1 documents out of 1654896 matched your query. Click on its number to view the details of the document.

**Note:** All document detail pages now appear on a new Browser Window.

1. [1298115](#) FIBER OPTIC SWITCH 77%

Last Modified: 2002-12-31



[Important Notices](#)

**RESULT LIST**

4 results found in the Worldwide database for:

**switch or relay** in the title AND **piezoelectric and cantilever and substrate** in the title or abstract

(Results are sorted by date of upload in database)

**1 Double micro mirror 2\*2 array MEMS photo switch**

Inventor: FANG HUAJUN (CN); LIU LITIAN (CN); (+1) Applicant: UNIV TSINGHUA (CN)

EC:

IPC: G02B6/32; G02B6/26; (+3)

Publication info: **CN1580841** - 2005-02-16**2 LOW VOLTAGE MICRO SWITCH**

Inventor: PARK JAE YEONG

Applicant: LG ELECTRONICS INC

EC: H01H57/00

IPC: H01H57/00; B81B3/00

Publication info: **JP2004327441** - 2004-11-18**3 Electrical switch**Inventor: NEEDHAM ANTHONY PATRICK (GB); LANE  
ANTHONY ALAN (GB)Applicant: MARCONI ELECTRONIC SYST LTD (GB);  
MARCONI CASWELL LTD (GB)

EC: H01H57/00; H01H59/00B

IPC: H01H57/00

Publication info: **GB2353410** - 2001-02-21**4 ELECTROSTATIC MICRO-RELAY**

Inventor: TAKAHASHI MASAJI

Applicant: NIPPON ELECTRIC CO

EC:

IPC: H01H59/00

Publication info: **JP10312734** - 1998-11-24

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Data supplied from the **esp@cenet** database - Worldwide

|   | Type | L # | Hits | Search Text   | DBs  | Time Stamp       | Comments |
|---|------|-----|------|---|--|------------------|----------|
| 1 | IS&R | L1  | 516  | (310/330).CCLS.   | USPAT  | 2005/12/05 09:28 |          |
| 2 | IS&R | L2  | 96   | (310/330).CCLS.   | US-PGPUB<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT;<br>IBM_T<br>DB                             | 2005/12/05 09:30 |          |
| 3 | BRS  | L3  | 86   | piezoelectric adj3<br>cantilever\$2 and<br>(switch or relay) and<br>substrate | US-PGPUB<br>;<br>USPAT<br>;<br>USOCR<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT;<br>IBM_T<br>DB | 2005/12/05 09:48 |          |
| 4 | BRS  | L4  | 2    | "20050040486"   | US-PGPUB<br>;<br>USPAT<br>;<br>USOCR<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT;<br>IBM_T<br>DB | 2005/12/05 09:49 |          |

|   | Type | L # | Hits | Search Text                    | DBs  | Time Stamp       | Comments |
|---|------|-----|------|--------------------------------|--|------------------|----------|
| 5 | BRS  | L5  | 0    | "20050040486" and capacitor    | US-PGPUB<br>;<br>USPAT<br>;<br>USOCR<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT;<br>IBM_T<br>DB | 2005/12/05 09:49 |          |
| 6 | BRS  | L6  | 0    | "20050040486" and capacitive   | US-PGPUB<br>;<br>USPAT<br>;<br>USOCR<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT;<br>IBM_T<br>DB | 2005/12/05 09:49 |          |
| 7 | BRS  | L7  | 0    | "20050040486" and capacitative | US-PGPUB<br>;<br>USPAT<br>;<br>USOCR<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT;<br>IBM_T<br>DB | 2005/12/05 10:00 |          |

|   | Type | L # | Hits | Search Text                     | DBs  | Time Stamp           | Comments |
|---|------|-----|------|---------------------------------|--|----------------------|----------|
| 8 | BRS  | L8  | 0    | "20040183402" and<br>capacit\$5 | US-<br>PGPUB<br>;<br>USPAT<br>;<br>USOCR<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT;<br>IBM_T<br>DB | 2005/12/0<br>5 10:02 |          |
| 9 | BRS  | L9  | 2    | "20020109436" and<br>capacit\$5 | US-<br>PGPUB<br>;<br>USPAT<br>;<br>USOCR<br>;<br>EPO;<br>JPO;<br>DERWE<br>NT;<br>IBM_T<br>DB | 2005/12/0<br>5 10:02 |          |